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CURRICULUM COMMITTEE RECOMMENDATION

SR-05-06-(30) 75-132CC

Recommends approval of the listed **MAJORS, CERTIFICATE PROGRAMS, AREAS OF EMPHASIS—ADDITION/CHANGES** from the following colleges and/or schools:

♦ COLLEGE OF LIBERAL ARTS

Action Requested: Addition of an Area of Emphasis titled, "Social Policy Studies" for the Bachelor of Applied Science.

Rationale: This interdisciplinary Area of Emphasis provides options for those interested in the study of social issues and concerns. This AOE combines a number of disciplines across the social sciences and humanities in order to enable students holding the AAS degree an additional area of study with a focus on the analysis and assessment of social policies.

Curriculum: Consists of 27 hours, a 3-hour required course and 24 hours of electives, 9 hours of which must consist of courses at the 400 level. Also, students must select courses from at least three (3) elective disciplines with the AOE and must complete all pre-requisites for their required and elective courses. Required: ENG 354. Electives: CMM 319, CJ 300, CJ 325, CJ 326, CJ 410, GEO 203, GEO 317, HST 342, HST 440, PHL 302, PHL 303, PSC 333, PSC 429, PSC 442, PSY 302, PSY 402, PSY 408, PSY 426, SOC 313, SOC 342, SOC 433, SOC 440

New Resources Required: None

Statement of Non-duplication: N/A as these are all COLA courses and approved for this AOE by the department chairs and Dean. In addition, we are not aware in COLA of another discipline or college that focuses on social policy issues in the interdisciplinary fashion described in the AOE or that has a major, minor, or AOE with this title or emphasis. Thus, we conclude that there is no issue of duplication especially in terms of the concepts and approaches that this AOE in COLA represents.

♦ COLLEGE OF SCIENCE

Action Requested: Addition of an Area of Emphasis in "Computer Application Development" in the major, Computer Information Technology.

Rationale: This area of emphasis focuses on those CIT courses that integrate sound principles in computer operations with specific skills in data and database management and the integration of computer operations with scientific instrumentation.

Department: Integrated Science & Technology

Curriculum: IST 101, 111, 120, 160, 131, 163, 260, 230, 236, 263, 201, 220, 231, 238, 212, 332, 3xx, -4xx, 362, 365, 333, 337, 334, 490, 264/336, 301, 491; Social Science; Math; Technical Electives; Foreign Language; Literature; Humanities; MGT 320; and UNI 101.

New Resources Required: None

Statement of Non-duplication: This is an area of emphasis that integrates IT and computer operations as part of the only CIT program on campus.

Action Requested: Addition of an Area of Emphasis in Transportation Technology

Rationale: Over one half of the present work force in transportation will retire within the next 10 years. As transportation systems become more technologically sophisticated, employees that replace retirees must be highly knowledgeable in the relationship between technology and transportation.

The AOE that we propose would integrate course work in basic engineering from CITE, GIS courses from the Geography Department, logistics and economic impact from the College of Business, into the environmental assessment, environmental policy, and transportation courses of the Environmental Science Degree program. Students seeking employment in the transportation field with this AOE would have GIS and technical skills in addition to a sound background in the natural sciences and a thorough understanding of environmental assessment and policy. This AOE is also compatible with the mission of and supported by the Rahall Transportation Institute.

Major: Environmental Science

Curriculum: 18 hours required—ENGR 241; IST 428, 435; MKT 349; GEO 426 and either 429 or 430.

New Resources Required: None

Statement of Non-duplication: This is a unique focus on transportation technology at the undergraduate level and uses existing courses in basic engineering from CITE, existing GIS courses from Geography and from the College of Business.

Action Requested: Addition of an Area of Emphasis in "Web Application Development" in the major, Computer Information Technology

Rationale: This area of emphasis focuses on those CIT courses that integrate sound principles in computer operations with specific skills in web design, web commerce, and digital graphics.

Department: Integrated Science & Technology

Curriculum: IST 101, 111 120, 160, 131, 163, 260, 230, 263, 201, 220, 231, 212, 332, 362, 365, 333, 334, 490, 264/336, 301, 491, 430; UNI 101; ART 214, 219, 312, 453, 454; Math or Technical Elective; Social Science; Foreign Language; Humanities; Literature; MGT 320.

New Resources Required: None

Statement of Non-duplication: This is an area of emphasis that integrates IT and computer operations as part of the only CIT program on campus.

Action Requested: Addition of a New Major in Biotechnology

Rationale: The university has recently constructed a new building for biotechnology research and education. The IST Department has the only degree program in biotechnology. This program is presently only offered as an area of emphasis in Biotechnology. With the addition of Dr. Cohenford to the IST Biotech faculty and the maturation of the curriculum, there are sufficient resources for a major in Biotechnology. To be competitive with other peer institutions, Biotechnology should be offered at the level of a major.

Department: Integrated Science & Technology

Curriculum: Pre-professional—IST 101, 241, 120, 160, 260, 342, 201, 220, 231, 340, 341, 301, 490, 491; UNI 101; MTH 229; BSC 120, 356, 417, 322; CHM 211, 217, 212, 218, 355, 356, 361, Foreign Language, Social Science, Fine Arts, Literature. Applied Research and Development—IST 101, 120, 241, 160, 131, 260, 230, 201, 220, 231, 340, 342, 341, 212, 301, 490, 491; UNI 101, BSC 120, 365, 417; CHM 211, 217, 212, 218; 4 classes of Biotech electives; 2 classes of Technical electives; Foreign Language, Social Science, Fine Arts.

New Resources Required: None

Statement of Non-duplication: IST is the only Department on campus with a degree program in Biotechnology; this action merely provides an appropriate level of degree for the available resources.

FACULTY SENATE CHAIR:

APPROVED BY THE
FACULTY SENATE:

Larry Stibler DATE: *5/5/2006*

DISAPPROVED BY THE
FACULTY SENATE:

DATE: _____

UNIVERSITY PRESIDENT:

APPROVED:

[Signature]

DATE: *5/11/06*

DISAPPROVED:

DATE: _____

COMMENTS:

